Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/13/2017 11:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124615	-1	1.87	124503	1.83
Blue	F	SSC	125000	123897	-1	2.64	124335	2.49
Blue	E	FITC	21625	21188	-3	2.40	936	10.07
Blue	D	PE	26832	26444	-2	1.98	950	9.72
Blue	B	PerCP-Cy5-5	48027	47109	-2	3.32	1358	17.21
Blue	A	PE-Cy7	40971	40681	-1	5.05	636	35.21
Red	C	APC	49746	49072	-2	2.77	2854	9.36
Red	A	APC-Cy7	53615	52697	-2	2.85	1113	11.16
Violet	B	V450	14488	13957	-4	5.51	667	9.52
Violet	A	V500	55123	54219	-2	5.29	2395	7.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17591	8.34	604	6	N/A	N/A	Pass
Blue	F	SSC	61280	1.64	536	2	N/A	N/A	Pass
Blue	E	FITC	107	38.44	537	1	0.0219	200	Pass
Blue	D	PE	209	28.15	532	1	0.1586	211	Pass
Blue	B	PerCP-Cy5-5	213	44.20	630	1	0.0095	35	Pass
Blue	A	PE-Cy7	68	116.90	681	0	0.0119	12	Pass
Red	C	APC	331	27.19	590	-4	0.0206	52	Pass
Red	A	APC-Cy7	122	40.18	575	-5	0.0056	1727	Pass
Violet	B	V450	81	41.10	474	3	0.0513	1995	Pass
Violet	A	V500	175	22.55	500	4	0.0155	470	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/13/2017 11:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.53	-30.94	0.81
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	16.53	13.27 - 19.91	N/A	N/A	31.11	31.63	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10879

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments